

Thin Films Protect Electronics from Heat and Radiation

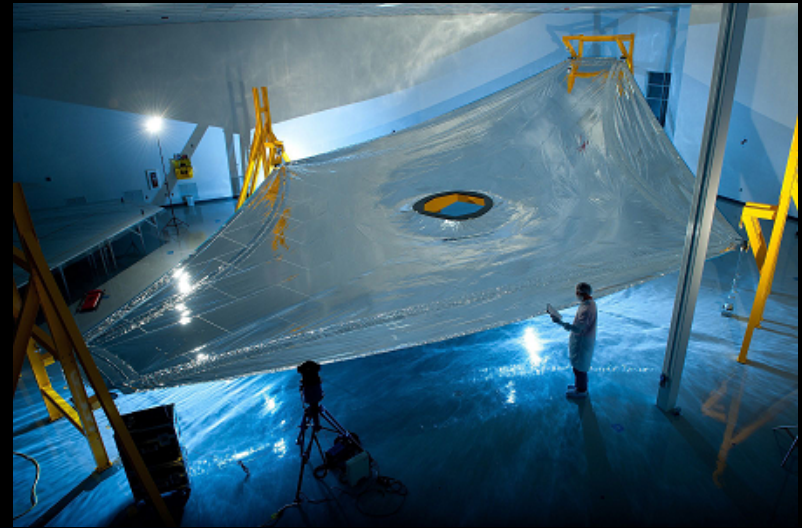


Langley Research Center

NeXolve Corporation Huntsville, AL

NASA Technology

- ◆ As part of NASA's efforts to create robust materials for space, the Agency researches polyimides, substances that are heat- and chemical-resistant.
- ◆ A NASA researcher discovered nearly color-free polyimides, which proved especially stable in simulated space environments.



Technology Transfer

- ◆ SRS Technologies worked with the researcher and Marshall Space Flight Center in validating the stability of Polyimide 1 and 2 in the extremes of space.
- ◆ SRS was acquired by ManTech International, it was then spun off into NeXolve Corporation, which is providing the five-layer protective sunshields for the James Webb Space Telescope.

Benefits

- ◆ The company also sells its thin film products to Boeing, Lockheed Martin, and Northrop Grumman.
- ◆ The technology is useful on flexible printed circuit boards, for coating electronic test hardware, and for hard disk drives